

# GPS 12



## Affordable 12 Parallel Channel GPS Performance

The GARMIN GPS 12 Personal Navigator is an affordable 12 parallel channel GPS receiver with the reliability you've come to expect from GARMIN. Packed with features and the same user-friendly operation that's made us the world's number one GPS manufacturer, the GPS 12 is the ideal handheld for outdoor adventurers who love to get off the beaten path. The GPS 12 features fast satellite acquisition and performance that stays locked on in the toughest conditions, even in heavy tree cover.

The GPS 12's rugged, waterproof case features military tough construction. Its rocker keypad design provides true one-hand operation to keep you on the move day or night, rain or shine.

Add in a host of advanced navigation features like a moving map plotter that displays waypoint names, symbols or comments, proximity waypoint alarms, average and maximum speed data and trip timers, and you have all the things that make the GPS 12 a purebred GARMIN — innovation, performance, and value.

**Includes Lat/Long, UTM, Ordnance Survey, Irish, Swiss, Swedish, German and Maidenhead Grids.**

12 parallel channel receiver tracks and uses up to 12 individual satellites for fast acquisition and a tight lock on satellites.

User-selectable waypoint symbols and comments enhance map display information.

Proximity waypoint feature warns you of approaching hazardous areas.

Innovative TracBack™ function turns your track log into an instant breadcrumb trail to quickly navigate back home.

User-definable map datums and UTM grids let you customize the data used for positioning.

User-friendly rocker-keypad system allows room for a large backlit display with easy-to-read characters and full-featured graphic plotting.

Position averaging feature helps reduce effects of Selective Availability.

Room for 500 waypoints and 20 routes of up to 30 waypoints each.



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## Navigation Features

### Waypoints:

Total: 500  
Nearest: 9 (automatic)  
Proximity: 9

### Routes:

20 reversible routes with up to 30 points each, plus MOB and TracBack™ modes

### TracBack™:

Automatic track log navigation

### Track Log:

1024 points

### Map Datums:

107 including one User Datum

### Coordinates:

Lat/Lon, UTM/UPS, plus 7 grids, including Maidenhead and User UTM

## Performance

### Receiver:

PhaseTrac 12™ 12 parallel channel receiver continuously tracks and uses up to twelve satellites to compute and update position

### Acquisition Times:

Warm: Approx. 15 seconds  
Cold: Approx. 45 seconds  
AutoLocate™: Approx. 5 minutes  
EZinit: Easy initialization, 45 seconds

### Update Rate:

1/second, continuous

### Accuracy:

Position: 15 meters (49 feet) RMS\*  
1-5 meters (3-15 feet) RMS with GARMIN GBR 21 DGPS receiver (optional)

Velocity: 0.1 knot RMS steady state

### Dynamics:

6g's

### Interfaces:

NMEA 0183 and RTCM 104 DGPS corrections

### Antenna:

Internal patch

## Power

### Source:

4 AA batteries (not included) or 5-8vDC

### Battery Life:

Up to 12 hours

## Physical

### Size:

2.1"W x 5.8"H x 1.2"D  
(5.3 x 14.7 x 3.1 cm)

### Weight:

9.5 ounces (269 g) with batteries

### Display:

2.2"H x 1.5"W (5.6 x 3.8 cm) high-contrast LCD with electroluminescent backlighting

### Case:

Ultrasonically welded, waterproof to IPX-7 standards

### Temp. Range:

5°F to 158°F (-15°C to 70°C)

### Memory Backup:

Internal rechargeable lithium battery

## Accessories

### Standard:

GPS 12 Receiver  
User's Manual  
Quick Reference Guide  
Wrist Strap

### Optional:

Carrying Case  
Swivel Mount Bracket  
Handlebar Mount Bracket  
Data Transfer Cable  
Cigarette Lighter Adapter  
PC Kit

Specifications are preliminary and subject to change without notice.

\* Subject to accuracy degradation to 100m 2DRMS under the United States Department of Defense imposed Selective Availability Program.

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GARMIN International  
1200 East 151st Street  
Olathe, Kansas 66062, U.S.A.  
TEL 913/397.8200 FAX 913/397.8282

**GARMIN (Europe) Ltd.**  
**Unit 5, The Quadrangle, Abbey Park Industrial Estate**  
**Romsey, SO51 9AQ, U.K.**  
**TEL 44/(0)1794.519944 FAX 44/(0)1794.519222**

GARMIN (Asia) Corporation  
4th Floor, No. 1, Lane 45, Pao-Hsing Road  
Hsin-Tien, Taiwan  
TEL 886/2.917.3773 FAX 886/2.917.1758

[www.garmin.com](http://www.garmin.com)